

SEQUENCE LISTING

<110> Engelhardt, John F.
Duan, Dongsheng
Yan, Ziyang

<120> Adeno-associated virus vectors and uses thereof

<130> 875.024US1

<150> US 60/158,209

<151> 1999-10-07

<160> 13

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 20

<212> DNA

<213> Adeno-associated virus

<400> 1

cggggggtcgt tgggcgggtca 20

<210> 2

<211> 19

<212> DNA

<213> Adeno-associated virus

<400> 2

gggcgggagcc tatggaaaa 19

<210> 3

<211> 505

<212> DNA

<213> Artificial Sequence

<220>

<223> A consensus sequence

<400> 3

cggggggtcgt	tgggcgggtca	gccaggcggg	ccatttacgg	taagttatgt	aacgactgca	60
ggcatgcaag	ctcgaattca	tccgtagata	agtagcatgg	cggttataatc	attaactaca	120
aggaaccct	agtgatggag	ttggccactc	cctctctgcg	cgctcgctcg	ctcgctgagg	180
ccgggcgacc	aaagggtcgcc	cgacgcccgg	gctttgcccg	ggcggcctca	gtgagcgagc	240
gagcgcgcag	ctgcgcgctc	gctcgctcac	tgaggccgcc	cgggcaaagc	ccgggctgctg	300
ggcgaccttt	ggtcgcccgg	cctcagcgag	cgagcgagcg	cgagagagag	gagtggccaa	360
ctccatcact	aggggttcct	tgtagttaat	gattaaccgg	ccatgctact	tatctacagc	420
ttgcatgcat	gtgagcaaaa	ggccagcaaa	aggccaggaa	ccgtaaaaag	gccgcgttgc	480
tggcgttttt	ccataggctc	cgccc				505

<210> 4

<211> 272

<212> DNA

<213> AAV circular intermediate, clone p81

<400> 4

gcatgcaagc	tgtagataag	tagcatggcg	ggttaatcat	taactacaag	gaaccctag	60
tgatggagtt	ggccactccc	tctctgcgcg	ctcgctcgct	cactgaggcc	gggcggccaa	120

09684554-100600

aggtcgcccc	acgccccggg	tttggccggg	cggcctcagt	gagcgagcga	gcgcgcagag	180
agggagtggc	caactccatc	actaggggtt	ccttgtagtt	aatgattaac	ccgccatgct	240
acttatctac	cgatgaattc	gagcttgcat	gc			272

<210> 5
 <211> 300
 <212> DNA
 <213> AAV circular intermediate, clone p79

<400> 5	
gcatgcaagc	60
tgatggagtt	120
tcgctcgctc	180
gcctcagtga	240
ttgtagttaa	300

<210> 6
 <211> 272
 <212> DNA
 <213> AAV circular intermediate, clone p1202

<400> 6	
gcatgcaagc	60
tgatggagtt	120
aggtcgcccc	180
agggagtggc	240
acttatctac	272

<210> 7
 <211> 165
 <212> DNA
 <213> Unknown

<220>
 <223> SEQ ID NO:1 of U.S. Patent No. 5,478,745

<400> 7	
aggaacccct	60
ccgggcgacc	120
gagcgcgcag	165

<210> 8
 <211> 282
 <212> DNA
 <213> rAAV circular intermediate, clone p79

<400> 8	
ggcggggccat	60
tagataagta	120
ccactccctc	180
cctggcagtt	240
aaaggccagc	282

<210> 9
 <211> 345
 <212> DNA
 <213> rAAV circular intermediate, clone p80

09584554-100500

<400> 9
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120
tccctctctg cgcgctcgtc cgctcgtca ggccgggcca ccaaaggctc cccgacgccc 180
gcccggcctc agcgagcgag cgagcgcgca gagagggagt ggccaactcc atcactaggg 240
gttccttgta gttaatgatt aaccgcgcat gctacttacc tacagcttgc atgcatgtga 300
gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttg 345

<210> 10
<211> 276
<212> DNA
<213> rAAV circular intermediate, clone p81

<400> 10
ggccattttac cgtaagttat gtggcgactg caggcatgca agctcgaatt catcggtaga 60
taagtagcat ggcgggttaa tcattgccta caaagagccc ctagtgatgg agccggcct 120
caccgagcga gcgagcgcg cgagagggag tggccaactc catcactagg gggttccttg 180
agttaatgat taaccgcca tgctacttat ctacagcttg catgcatgtg agcaaaaggc 240
cagcaaaagg ccaggaaccg taaaaaggcc gcgttg 276

<210> 11
<211> 316
<212> DNA
<213> rAAV circular intermediate, clone p86

<400> 11
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
taagtagcat ggcgggttaa tcattaacta caaggaaccc ctagtgatgg agttggccac 120
tccctctctg cgcgctcgtc cgctcgtga ggccgccccg gcctcagcga gcgagcgagc 180
gcgcagagag ggactggcca actccatcac taggggttcc ttgtagttaa tgattaacct 240
gccatgctac ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga 300
accgtaaaaa ggccgc 316

<210> 12
<211> 208
<212> DNA
<213> rAAV circular intermediate, clone p87

<400> 12
ggccattttac cgtaagttat gtaacgactg caggcatgca agctcgaatt catcggtaga 60
taagtagcat ggcgggttac tcattgccta caaagagccc ctagtgatgg aattggaatg 120
attcaccctc catgctactt atctacagct tgcatgcatg tgagcaaaag gccagcaaaa 180
ggccaggaac cgtaaaaagg ccgcgttg 208

<210> 13
<211> 310
<212> DNA
<213> rAAV circular intermediate, clone p88

<400> 13
gccattttacc gtaagttatg taacgactgc aggcattgcaa gctcgaattc atcggtagat 60
aagtagcatg gcgggttaat cattgcctac aaagagcccc tagtgatgga gttggccact 120
ccctctctgc gcgctcgtc gctgggcccc gcctcagcga gcgagcgagc gcgcagagag 180
ggagtggcca actccatcac taggggttcc ttgtagttaa tgattaacct gccatgctac 240
ttatctacag cttgcatgca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa 300
ggccgcgttg 310